



IDEM's Surface Water Quality Assessment Program

Pesticide Monitoring Program

Program Objective

The objective of this project is to determine the ambient concentrations of pesticides in the surface waters in Indiana. Loadings are also calculated based on flow data obtained from U.S. Geological Survey (USGS) gaging stations. This data will provide benchmark information for long-term trend analysis along with a broad scale overview of water quality. IDEM will gain a better understanding of pesticide concentration loads each watershed contributes to each major water basin.

Program Participants

This program is operated through the sampling efforts of the Office of Water Quality's Assessment Branch and the lab analyses of Environmental Health Laboratory (EHL) located in South Bend, Indiana.

Program Description

Media: Surface Water: rivers, streams and lakes
Study Area: Statewide by the year 2001
Site Selection Type: Sites selected at USGS gaging stations
Sampling Sites: 28 sites in the West Fork White River and Patoka River Watersheds.
Sampling Frequency: Preliminary survey in early March, then 15 consecutive weeks during April-August
Data Collected: Pesticides

Program Product(s)

- Report: *Survey of Pesticides in the West Fork White River and Patoka River Basins*

Technical Notes

- ▶ Test for 226 water soluble herbicides, pesticides and semi-volatile compounds using the EPA Method 525.2 and 547 at Data Quality Assessment 3. List of pesticides tested available upon request.
- ▶ Collect field results for temperature, pH, dissolved oxygen, conductivity, and turbidity.

Contact Information

Ryan McDuffee, Environmental Scientist
Indiana Department of Environmental Management
Office of Water Quality - Shadeland
Assessment Branch, Surveys Section
P.O. Box 6015
Indianapolis, IN 46206-6015
(317) 308-3194
E-mail: rmcduffee@dem.state.in.us

| | <u>For More Information on IDEM's Office of Quality...</u> |
|--|---|
| IDEM Information: (317) 233-1044 or 800-451-6027 800-743-3333(TDD) toll-free for Indiana residents | Assessment Branch (Surface water quality: river, streams and lakes) Shadeland Office, Indianapolis (317) 308-3173 Permitting Branch (NPDES permits) Indiana Government Center North, Indianapolis (317) 232-8675 |
| EnviroLine: (317) 232-8603 or 800-451-6027 toll-free for Indiana residents | Compliance Branch (facilities assistance, inspections and compliance) Indiana Government Center North, Indianapolis (317) 232-6770 Drinking Water Branch (Public water supply and ground water protection) Shadeland Office, Indianapolis (317) 308-3280 |
| Fax on Demand: 800-726-8000 | Planning & Restoration Branch (Water quality standards/rules, grants and loans) Indiana Government Center North, Indianapolis (317) 233-8488 |
| Internet: www.state.in.us/idem | |